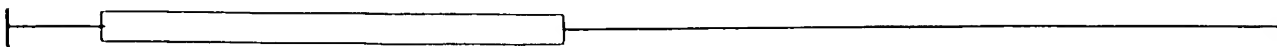


A. DRAP: 1378 bp Eco RI insert  
ORF 104-610

1	134	281	902	970	1378
	ATG	ATG	AATAAA	(A)12	(A)29
	#1	#50			



B. ...

MASNNSSSTD	LDSQVNVEDL	PITFKVKYIG	SEVARGLWGI	KYTRRPVDIM	50
				2	
VGVAKNLPPN	KVLPNCELKV	STDGVQLEII	SPKASINHWS	YPIDTISYGV	100
QDLVYTRVFA	MIVVKDESSP	HPFEVHAFVC	DSRAMARKLT	FALAGRLPGL	150
	1		3		
LATGQGGNR					159

Potential	D1----- (30 to 70) ---D2--- (35±) ---E1	Motifs
AA#s	(10 or 12) --- (36 to 38) --- 48 --- (30) --- 78	
	( 19 ) --- ( 54 ) --- 73 --- (44) --- 117	
	(19 or 48) --- (46 to 75) --- 94 --- (30) --- 124	

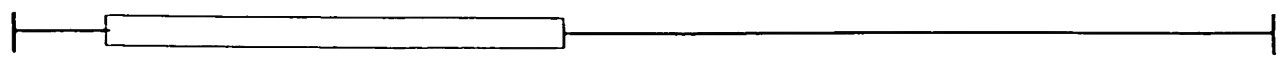
C.

Rad 51	Mouse - Human	L L I V - D - S
Rad 51	Yeast	L I V V - D - S
DCM 1	Yeast	L I V V - D - S
RecA	E. Coli	V I V V - D - S
Drosophila DRAP		M I V V K D E S S P
FLP Recombinase		M I A L K D E T N P
T4 Gene 32 Protein		I L V V K D P A A P
		M I A V - D V E M G E
		K - G F S S E
Human Topoisomerase I		I K D E - - P
		K D G S S E
		G F S S P

Figures 4A-D (Amended)

A. DRAP: 1378 bp Eco RI insert  
 ORF 104-610

1 134 281 902 970 1378  
 ATG ATG AATAAA (A)12 (A)29  
 #1 #50



B. MASNNSSTD LDSQVNVEDL PITFKVKYIG SEVARGLWGI KYTRRPVDIM 50  
 VGVAKNLPPN KVLPCNELKV STDGVQLEII SPKASINHWS YIPDTISYGV 100  
 QDLVYTRVFA MIVVKDESSP HPFEVHAFVC DSRAMARKLT FALAGRLPGL 150  
 LATGGGGR 159  
 Q  
 PI

C.

Potential	D1-----(30 to 70)---D2---(35+)--E1	Motifs
AA#s	(10 or 12)---(36 to 38)---48---(30)--- 78	
	( 19 )---( 54 )---73---(44)---117	
	(19 or 48)---(46 to 75)---94---(30)---124	

D.

Rad 51	Mouse - Human	L L I V - D - S
Rad 51	Yeast	L I V V - D - S
DCM 1	Yeast	L I V V - D - S
RecA	E. Coli	V I V V - D - S
Drosophila DRAP		M I V V K D E S S P
FLP Recombinase		M I A L K D E T N P
T4 Gene 32 Protein		I L V V K D P A A P
		M I A V - D V E M G E
		K - G F S S E
Human Topoisomerase I		I K D E - - P
		K D G S S E
		G F S S P

Figures 4A-D  
 (Mark-up)